



# ecology and environment, inc.

111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-863-9415

International Specialists in the Environment

## MEMORANDUM

DATE: March 3, 1984  
TO: File  
FROM: Dan Cozza  
SUBJECT: Drinking Water Sources in E. St. Louis Area



On March 3, 1984, I had a meeting with Brenda Brown of the Illinois Environmental Protection Agency, Division of Public Water Supplies to discuss the drinking water supplies of communities around the East St. Louis area. Ms. Brown supplied me with the following information:

### 1) Bethalto

7 wells, ranging from 90-100 feet deep  
Top soil 0-3'  
Fine sand 3-45'  
Coarse brown sand 45-65'  
Fine sand 65-70'  
Medium to fine sand 70-85'  
Coarse sand and gravel 85-91'

The wells are located on 9th Street just north of the Wood River city limits and they serve Bethalto, Moro, and Meadowbrook.

### 2) East Alton

3 wells, 90-103' deep serving E. Alton

### 3) Alton

Water intake 1 1/2-2 miles upstream from lock and dam #26.  
Services Alton, Godfrey, Brighton, Jersey County, Forest Homes, and Cottage Hills.

4) Roxana

3 wells at depths 109-111' located at Route 111 and the canal.  
Wells services Roxana and South Roxana

Brown clay 0-16'  
Gray clay 16-30'  
Sand and gravel 30-60'  
Fine sand 60-70'  
Sand and gravel 70-80'  
Fine red sand 80-105'  
Sand and gravel 105-109'  
Rock 109+

5) Hartford

3 wells ranging from 107-110' deep, located under Madison  
Street, East of Route 3.

6) Edwardsville

5 wells ranging from 112 to 117, located south of railroad  
tracks in Poag. Services Edwardsville, Poag, NE Central Water  
District-Madison County.

Yellow fine sand 0-32'  
Light streak of mud with sand 32-33'  
Medium sand 33-53'  
Mud 53-54'  
Coarse sand-some gravel 54-88'  
Coarse sand-some small rock 88-95'  
Good coarse sand and gravel 95-106'  
Big rock and gravel 106-110'  
Layer of mud and shale bottom 110-112'

7) Hamel

Has its own wells - description unknown.

8) Glen Carbon

3 wells approximately 105' deep, located off of route 162, just west of I57.

Clay 0-30'

Coarse sand and gravel 30-55'

Fine sand 55-70'

Coarse sand and gravel 70-105'

Clay 105+

9) Granite City

Serviced by Illinois American Water Company which has its intake on the Mississippi River at the NW tip of Chouteau Island. This intake services Granite City, Pontoon Beach, Venice, and Madison.

10) East St. Louis

Serviced by Illinois American Water Company with the intake on the Mississippi River at I55-I70 bridge, just north of the St. Louis Arch area. Intake serves E. St. Louis, most of St. Clair County to Millstadt, Brooklyn, and National City. This intake is connected to the Granite City Water Supply.

11) State Park Place

3 wells ranging from 90-92' deep. Located west of Black Lane, south of Route 40. Mounds Public Water District serves 2500 people.

12) St. Louis Missouri

Intake just below the old Chain of Rocks Bridge.